What is claimed is:

- 1. A method of patterning metal layers of a semiconductor wafer, the method comprising:
- 5 depositing a first conductive layer over a substrate;

depositing an insulating layer over the first conductive layer;

depositing a second conductive layer over the 10 insulating layer;

depositing a first resist over the second conductive layer;

depositing a second resist over the first resist;

patterning the first resist with a first pattern and

patterning the second resist with a second pattern; and

simultaneously transferring the first pattern to the

first conductive layer and the second pattern to the

second conductive layer.

- 20 2. The method according to Claim 1 wherein transferring the first and second patterns comprise exposing the wafer to a single reactive ion etch process.
- The method according to Claim 1 wherein the first
 resist comprises a negative resist and the second resist comprises a positive resist.
- The method according to Claim 1 wherein the first resist comprises a positive resist and the second resist
 comprises a negative resist.

- 5. The method according to Claim 1 wherein the insulating layer comprises a capacitor dielectric, wherein transferring the first pattern to the first conductive layer comprises forming bottom metal plates of a MIM capacitor, and wherein transferring the second pattern to the second conductive layer comprises forming top metal plates of the MIM capacitor.
- 6. The method according to Claim 1 further comprising transferring the first pattern to the insulating layer.
 - 7. A method of patterning metal layers of a semiconductor wafer, the wafer comprising a first conductive layer, an insulating layer disposed over the first conductive layer and a second conductive layer disposed over the insulating layer, the method comprising:

depositing a first resist over the second conductive layer;

- patterning the first resist with a first pattern;
 depositing a second resist over the first resist;
 patterning the second resist with a second pattern;
 simultaneously transferring the first pattern to the
 first conductive layer and transferring the second
 pattern to the second conductive layer.
 - 8. The method according to Claim 7 wherein transferring the first and second patterns comprise exposing the wafer to a reactive ion etch process.
 - 9. The method according to Claim 8 wherein the first resist comprises a negative resist and the second resist comprises a positive resist.

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- 10. The method according to Claim 8 wherein the first resist comprises a positive resist and the second resist comprises a negative resist.
- 5 11. The method according to Claim 8 wherein the insulating layer comprises a capacitor dielectric, wherein transferring the first pattern to the first conductive layer comprises forming bottom metal plates of a MIM capacitor, and wherein transferring the second
- 10 pattern to the second conductive layer comprises forming top metal plates of the MIM capacitor.
 - 12. The method according to Claim 7 further comprising transferring the first pattern to the insulating layer.

13. A method of forming capacitive plates of a MIM capacitor, comprising:

providing a wafer having a substrate;
 depositing a first conductive layer on the
substrate;

depositing a capacitor dielectric layer over the first conductive layer;

depositing a second conductive layer over the capacitor dielectric layer;

depositing a first resist over the second conductive layer;

patterning the first resist with a first pattern; depositing a second resist over the first resist; patterning the second resist with a second pattern;

simultaneously transferring the first pattern to the first conductive layer and transferring the second pattern to the second conductive layer.

- 14. The method according to Claim 13 wherein transferring the first and second patterns comprise exposing the wafer to a reactive ion etch process.
- 5 15. The method according to Claim 13 wherein the first resist comprises a negative resist and the second resist comprises a positive resist.
- 16. The method according to Claim 13 wherein the first resist comprises a positive resist and the second resist comprises a negative resist.
 - 17. The method according to Claim 13 further comprising transferring the first pattern to the insulating layer.

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